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GENERAL DATA	Unit	OWNER DATA	VENDOR DATA
NUMBER	-	1	
DUTY	-	Maintenance	
TYPE	-	Articulated Electrical Trolley Connected Hoist - True Vertical Lift	
MANUFACTURER NAME	-	By Vendor	
MODEL	-	By Vendor	
LOCATION	-	Outdoor with roof	
AREA HAZARD CLASSIFICATION		ZONE 2., Ex- IIB T3., Ex-Proof Design is Requested	
TROPICALIZATION / WINTERIZATION	-	Yes / No	
Power supply		400 V / 50 Hz / 3 Ph	
<b>DIMENSIONAL &amp; DESIGN DATA</b>			
<b>Hook rated loads</b>			
Main hook		<b>Kg 5000</b>	
Auxiliary hook		N/A	
Total hook travel (vertical)		7m	
<b>Total hook travel (effective translation)</b>		By Vendor	
<b>Hook approach</b>		By vendor	
<b>Monorail</b>			
Type (Concrete/Steel)		Steel, Out of Supply	
Length of rail		Out of Supply	
Rail dimensions H / W		300mm / 300 mm	
<b>DESIGN CODES</b>			
<b>Structural steel</b>		FEM	
Class	-	"	
<b>Mechanical</b>		FEM	
F.E.M. Group	-	2m	
<b>OPERATING DATA</b>			
Main hoist (lifting speed) :	Two Speed	By Vendor / By Vendor	
Main trolley :	Two Speed	By Vendor / By Vendor	
Nominal Articulating Curve:		1000 mm	

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	Unit	OWNER DATA	VENDOR DATA
<b>CONSTRUCTION FEATURES</b>			
<b>general dimensions</b>			
<b>bridge crane construction</b>			
<b>wheels</b>			
Wheels		TROLLEY	TROLLEY
Number / Diameter		By Vendor (Anti Spark)	
Base (distance between wheels axles)		"	
Gauge		"	
Loads		"	
Material		"	
<b>mechanisms</b>			
<b>Trolley drive mechanism</b>			
Manual / Electric motor		Electric motor	
<b>Hoist drive mechanism</b>			
Manual / Electric motor		Electric motor	
<b>Manufacturers</b>			
Electric motors manufacturer / Voltage / Phase		By Vendor	
Gears manufacturer		"	
<b>motors</b>			
<b>Trolley electrical motor design</b>		By Vendor	
Nr / Rated power / Power input high speed / low speed		"	
Speed		"	
Insulation class		"	
Hazardous area certification		Ex- IIB T3	
<b>Main hoist electrical motor design</b>		"	
Nr / Rated power / Power input high speed / low speed		"	
Speed		"	
Insulation class		"	
Hazardous area certification		Ex- IIB T3	
<b>Total powers</b>			
Simultaneous possible powers			
Cumulated Installed powers			

3	conductors & collectors	Unit	OWNER DATA	VENDOR DATA
	<b>Crane conductors and collectors</b>		By Vendor	
	Type	-	"	
	Enclosure (Sheaths/Ducts/Exposed)	-	"	
	<b>Trolley conductors and collectors</b>		"	
	Type	-	"	
	Enclosure (Sheaths/Ducts/Exposed)	-	"	
	<b>Brakes type</b>		"	
	Holding brake	-	"	
	Control brake	-	"	
	<b>Safety features</b>			
	Deadman device	-	By Vendor	
	Fail safe	-	"	
	Trolley stop	-	Yes	
	Rail sweep	-	Yes	
	Crane bumpers	-	Yes	
	Travel limit switches	-	Yes	
	<b>Hooks</b>			
	Material	-	By Vendor (Anti Spark)	
	Type	-	"	
	Single/Ram' s horn	-	"	
	<b>Main hoist wire ropes</b>		"	
	Material (Stands/Core)	-	"	
	Type (Number of stands per rope)	-	"	
	Number of wire per stand	-	"	
	Rope diameter		"	
	Breaking strength per fall		"	
	Total breaking strength		"	
	Resulting safety factor		"	
	Rope clamping type	-	"	
	Reeving	-	"	
	<b>Main hoist drum</b>		By Vendor	
	Type (Solid/Hollow)	-	"	
	Material	-	"	
	Diameter		"	
	<b>CONTROLS</b>		Yes	
	From cab / From service floor	-	From Service floor	
	Signaling devices (Audible/Light )	-	By Vendor	
	Aux .voltage of control circuit		"	
	<b>WEIGHTS</b>			
	Total		"	
	Bridge / Trolley		"	

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	Unit	OWNER DATA	VENDOR DATA
<b>INSPECTION AND TESTS</b>			
<b>at works</b>		By Vendor	
QC Control review	-	By Vendor	
Material certificates	-	"	
main structural members		"	
hooks		"	
hoist cables		"	
other material		"	
Checking of dimentions	-	"	
Test of limit switches	-	"	
Speed test	-	"	
Static load test (125% rated load )	-	"	
Statistical weld inspection with die penetrant	-	"	
<b>after erection</b>			
Full functional test	-	By Vendor	
Test of limit switches	-	"	
Speed test	-	"	
Static load test (125% rated load)	-	"	
Dynamic load test	-	"	
Checking of controls and safety features	-	"	
<b>LOADS</b>			
Static load (trolley max per wheel)		By Vendor	
Dynamic load (trolley max per wheel)		"	
Max vertical load per wheel (crane)		"	
Max cross horizontal load per wheel (crane)		"	
Max long horizontal load per rail (crane)		"	
References	-	List to be supplied in proposal	

5 SCOPE OF SUPPLY	Unit	OWNER DATA	VENDOR DATA
<b>mechanical</b>			
trolley		included	
hoist		included	
hook and safety latch for hook		included	
Monorails		Excluded	
end carriage rail sweeps		included	
brakes for hoisting, trolley		included	
maintenance platforms including safety rails		Excluded	
safety guards		included	
wire ropes		included	
non sparking materials		included	
control cab or pendant control, equipped with push button control box		included	
resilient bumpers and rubber buffers		included	
end stops with bolts for fixing on Monorails		included	
protective hoods against sun for cables located outdoors		Excluded	
fittings and bolts		included	
surface finishing and painting		included	
nameplates - safe working load markings		included	
civil works		Excluded	
structures		Excluded	
<b>electrical / control</b>			
motors		included	
motors protection		included	
motors earthing		included	
junction boxes		included	
cable glands		included	
wiring within the limits of the Trolley Connected Hoist package		included	
power supply lines		Excluded	
cables guides, cable collectors, tracks, supports, hangers, fittings, etc.,		Excluded	
electrical and control cabinets		included	
wiring between cabinets and equipment		included	
limit switches on all electrical moving parts, with protections		included	
load limit switch with protection		included	
lockable isolator switch		included	
lighting		excluded	
connection of earth circuit to building earth circuit		excluded	
cables between site network and electrical cabinets		excluded	
<b>Other</b>			
Vendor's documentation		included	
special tools		included if necessary	
oil and grease for first filling + 1 year		included	
spare parts for start up and commissioning		included	
spare parts for two years		included	

NOTA

DATA SHEET TO BE COMPLETED BY VENDOR  
WHEN IFORMATION IS NOT PRECISED IN VENDOR COLUMN.  
OTHER DATA ARE MANDATORY OR REFLECT AGREEMENTS BEFORE ORDER